STARIN

Electro-Voice®

Wireless Guide

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A notice to our valued customers:

There has been a lot of speculation regarding wireless microphones and available frequencies for their use after the transition to DTV in June of 2009. Though specifics regarding licensing etc. have yet to be determined by the FCC, we have enough information to assert that our current wireless products will be approved for use after the switch.

All Electro-Voice wireless microphone products are manufactured to utilize bandwidths designated for wireless microphone use after the DTV switch.

ADVANCED ClearScan™

EV revolutionized the wireless market with the introduction of ClearScan™ technology. ClearScan automatically scans all 1112 channels and shows you the clearest channels available, you may never need to go beyond the front panel receiver controls. From one system to many working simultaneously, ClearScan™ reduces the opportunity for "Surprise Audio" and comes standard on ALL EV and Telex wireless systems.

REV UHF Wireless System

REV-Dual Receiver System

Concert Level

The REV-Dual receiver includes two receiving channels, an IEC-type switching power supply, integrated, rack-mounting hardware, front-panel audio output controls, headphone listening jack, antenna pass-through, and phantom power on the antenna inputs. There is also a CAN bus connection* on the back for use with REV-Link software for monitor and control.

Factory set channel groups allow up to 16 systems to operate simultaneously in one frequency band. For groups up to 44 systems, EV can help with the coordination and custom groups are easily programmed. Advanced ClearScan™, automatic group and channel selections, allows quick, simple setup. REV-D Dual Receiver includes antenna pass through jacks so up to six receivers can be connected to just two antennas. All required cables are included. Specially designed “Sound Check” mode provides the ability for one person to walk test the microphone in the performance space with tangible results. Combination Tone plus Amplitude squelch for maximum flexibility. Balanced XLR line level output and 1/4-inch unbalanced line-level outputs adjustable from the front panel to match the application. Guitar mode matches the optimized instrument audio with the REV-BP bodypack. Internal universal switching power supply, headset monitoring jack, and DC power on antenna input jacks for optional RF amplifier.

* See page 13 for UCC1 accessory

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REV-D - Wireless Dual-Channel Receiver
REV-S - Wireless Single-Channel Receiver

Bright backlit LCD Display Shows battery gauge, and all menu functions.
Interchangeable: Handheld allows you to switch mic capsules!
40+ simultaneous channels are possible with the REV!
Single receiver (REV-S), or two receivers in a single rack space (REV-D)
Backlit LCD Display shows the Group/ Channel, transmitter battery status, diversity operation, RF and Audio level meters, and space for a custom name
Headphone jack for audio monitoring with volume control. REV-D lets you monitor either or both receivers at the same time!

Know about wireless mic dead spots before they happen. SoundCheck mode gives you:
- Running tally
- RF levels
- Antena location test

IRIS-Net

The Intelligent Remote & Integrated Supervision Network allows configuring, controlling and monitoring the REV Wireless system along with complete PA-system from one central location. IRIS-Net allows the creation of customized graphical user interfaces to optimally match any application offering easy control and monitoring of the REV system.

Go to **http://irisnet.electrovoice.com** to download the IRIS-Net software.

REV UHF Wireless System

Professional Wireless Microphones

ADVANCED ClearScan

REV-WT NEW Bodypack Transmitter

An all-new, cast magnesium, bodypack transmitter that is the smallest ever made by EV. The REV-WT uses two AA batteries, and also has recharging contacts for use with NiMH batteries, and the optional BH-200 charging station. Other unique features include an on/off switch menu, which allows the switch to be defeated, or to act as an audio-only mute that leaves the RF carrier active.

The REV-WT also includes the exclusive REV Guitar mode for the most “wired” sounding wireless anywhere. REV features EV’s one-of-a-kind guitar optimization setting, which is unique to EV. Guitarists and bassists endorse the REV for its superior, transparent sound, which lacks the artifacts and compression most guitar wireless systems introduce to the signal path. REV is the only wireless guitar system that preserves the tone each player has worked so hard to achieve.

Specifications:

Controls:	Power, Menu, Set, Up, Down
Displays:	Red LED Low Battery Indicator Back lit LCD display showing: Battery Level, Channel/Group, or Frequency
Connector Type:	A4F
Antennas:	External 1/4 wave detachable
Battery Life:	8 hours with two AA alkaline typical
RF Output:	5 mW or 50 mW selectable
Case Material:	Cast Magnesium
Dimensions (HxWxD):	3.35” x 2.6” x 0.75”

REV offers two handheld options: a stylish metal compact handle for Concert and Broadcast (H series), and the user friendly Presentation Handheld (PH Series) for rental house and other applications. Each series offers four capsule options!

REV-HC4	**Condenser Cardioid**	**REV-PHC4**
REV-HC5	**Condenser Supercardioid**	**REV-PHC5**
REV-HD7	**Dynamic Supercardioid**	**REV-PHD7**
REV-HD9	**Dynamic Concert Supercardioid**	**REV-PHD9**

RE-2 & RE-2 Pro Wireless Systems

UHF Wireless Microphone System

SmartBattery compartment: Even if you put the 9V in the wrong way, it still works!

High impact ABS plastic transmitter with contour grip—very lightweight.

Balanced XLR output and ¼" unbalanced connector with adjustable line level output.

Cast Magnesium body pack with RE-2 Pro

4 different Handheld Capsules!

Detachable antennas

Metal (NOT Plastic) receiver

Rack kit and antenna cables included with RE-2 Pro System

While extremely affordable, the RE-2 is designed for those that are serious about their sound. The RE-2 can do the work for you, or you can make all the adjustments yourself. Squelch, transmit power, channel selection and more are all available to you on the RE-2 receiver. With ClearScan automatically scanning all 1112 channels, and showing you the clearest channels available, you may never need to go beyond the RE-2s front panel controls.

Available Systems:

RE2-N2 - Receiver + N/D267a handheld Dynamic Cardioid transmitter
RE2-N7 - Receiver + N/D767a handheld Dynamic Supercardioid transmitter
RE2-410 - Receiver + RE410 Condenser Cardioid handheld transmitter
RE2-510 - Receiver + RE510 Condenser Supercardioid handheld transmitter
RE2-G - Receiver + bodypack transmitter + MAC-G3 guitar cord
RE2-BP - Receiver + bodypack transmitter (no microphone)
RE2-L10 - Receiver + bodypack transmitter + OLM10 Omnidirectional lavalier mic
RE2-L21 - Receiver + bodypack transmitter + ULM21 Cardioid lavalier mic
RE2-E - Receiver + bodypack transmitter + RE97 headworn mic (beige or brown)
RE2 Combo - Receiver + N/D267a handheld + bodypack transmitter + ULM21 lavalier mic

EV's lightest headworn mic is now available in an RE-2 system.

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RE-2 Wireless Systems

RE-2 UHF Receiver

- One touch Auto-ClearScan
- Programmable in 25kHz steps across 28 MHz operating bandwidth
- Backlit LCD displays the Group, Channel, Frequency, transmitter battery level, diversit operation, and RF and Audio signal level meters
- Balanced XLR audio output for Microphone or Line level signals and a 1/4 inch line level jack
- Fourth generation Secure-phase™ diversity and advanced audio circuits
- Unique “Guitar” setting
- Detachable 1/4 wave antennas

RE-2 UHF Transmitter

- Unique “smart” battery
- LCD Displays Group and Channel, Frequency, or Battery Level
- Low battery LED
- One On/Off button that also acts as a mute
- On/Off button can be disabled

RE-2 UHF Handheld

- Available with three different microphone elements
- N/DYM 267a Dynamic element
- RE 410 Condenser
- NDYM® 767a Dynamic premium vocal microphone with VOB™ (Vocal-Optimized-Bass)
- Internal 1/2 wave antenna

RE-2 UHF Bodypack

- Cell phone style beltclip
- Optional pouches available
- A wide selection of lapel and headworn microphone accessories are available

RE-2 Pro Wireless Systems

RE-2 PRO UHF Receiver All of the great RF and Audio features of the RE-2 receiver plus:

- Rackmount for single or dual mount
- Cables to mount the antennas on the front of the rack

RE-2 PRO UHF Transmitter All of the great RF and Audio features of the RE-2 receiver plus:

- Normal transmit power/high transmit power

RE-2 PRO UHF Handheld All of the great RF and Audio features of the RE-2 receiver plus:

- An over-molded Warm-Grip™ handle
- Available with two different interchangeable microphone elements
- NDYM® 767a Dynamic premium vocal microphone with VOB™ (Vocal-Optimized-Bass), excellent sound and gain-beforefeedback for high SPL stages
- RE510 premium condenser microphone for experienced vocalists, spoken word, and quieter stages.

RE-2 PRO UHF BodyPack All of the great RF and Audio features of the RE-2 receiver plus:

- Cast magnesium housing
- Detachable 1/4 wave antenna

RE-2 PRO Packages

RE-2PRO - Receiver
BPU-2PRO - Bodypack Transmitter + TA4F connector
HTU-2PROC-410 - Handheld Transmitter + RE410 Condenser Cardioid mic
HTU-2PROC-510 - Handheld Transmitter + RE510 Condenser Supercardioid
HTU-2PROD-767 - Handheld Transmitter + N/D767a Dynamic Supercardioid
HTU-2PROD-967 - Handheld Transmitter + N/D967 Dynamic Concert Supercardioid

FMR-500 Wireless System

UHF Wireless Microphone System

SmartBattery compartment: Even if you put the 9V in the wrong way, it still works!

Balanced XLR output and ¼" unbalanced connector with adjustable line level output.

High impact ABS plastic transmitter with contour grip, very lightweight.

Detachable antennas

Metal (NOT Plastic) receiver

- Up to 20 systems can operate simultaneously from the pre-set channels on a mix of the three operating bands. For more than 10 channels, Telex will help with band selection and channel coordination for your application.
- Advanced ClearScan™, automatic group and channel selections, for quick and simple system setup.
- Over 950 possible channels.
- Front panel parametric equalizer with Level, Q, and Frequency controls for sound shaping without a mixing board.
- Backlit LCD Display shows the Group/Channel, transmitter battery status, diversity operation, RF and Audio level meters and space for a custom label.
- Cast magnesium bodypack transmitter and over-molded Warm-Grip™ handheld transmitter with detachable microphone elements.
- Patented DSP Posi-Phase™ Diversity System.
- **All required rack mount hardware and front mount antenna cables are included with all FMR-500 systems**
- Three Year Warranty

Available Systems:

RE410

767a

- **FMR-500WT** - Agile UHF Receiver + WT500 bodypack transmitter
- **FMR-500L** - Agile UHF Receiver + WT500 bodypack transmitter + ELM-22 micromini omni lav mic
- **FMR-500HD** - Agile UHF Receiver + HT-500D EV 767a NDYM Dynamic Supercardioid handheld transmitter
- **FMR-500HC** - Agile UHF Receiver + HT-500C EV RE410 Condenser Cardioid handheld transmitter
- **FMR-500H/L** - Agile UHF Receiver + HT-500C EV 767a Dynamic Supercardioid handheld transmitter + WT-500 bodypack transmitter + ELM-22S Omni Lapel microphone
- **FMR-500E** - 1st one + RE97 Headworn Mic

Wireless Systems Comparison

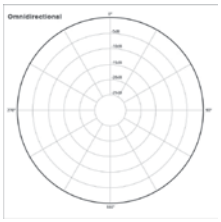
	RE-2	RE-2Pro	FMR-500	REV
Max Simultaneous Systems	10	10	20	44
Number of Channels	1112	1112	1112	950
Available TV Ch Ranges	38-42 / 43-48	43-48	38-42 / 43-48	37-41 / 44 - 47 / 48-51
Rack-mountable Receiver	Optional	Half-rack included	Half-rack included	1RU
Audio Metering	Yes	Yes	Yes	Yes
Low Battery Warning	Yes	Yes	Yes	Yes
Transmitter Power	30 mW	50 mW / 5 mW	30 mW	50 mW / 5 mW
Interchangeable handheld Mic heads?	No	Yes	Yes	Yes
Handheld case	Molded	Over-molded Warm-Grip™ handle	Over-molded Warm-Grip™ handle	Over-molded Warm-Grip™ handle
Bodypack case	Molded	Cast magnesium	Cast magnesium	Cast magnesium
Network Control	No	No	No	Yes
ClearScan Auto-Setup	Yes	Yes	Yes	Yes
XLR Output	Mic/Line	Mic/Line	Mic/Line	Mic/Line
1/4" Output	Line	Line	Line	Line
Other Output				Headphone
Antennas	Rear Detachable 1/4 wave antennas	Rear Detachable 1/4 wave antennas with front mount option	Rear Detachable 1/4 wave antennas with front mount option	Rear Detachable 1/4 wave antennas with front mount option
Remote Antenna Option	Yes	Yes	Yes	Yes

Al Davis, FOH engineer
(Al Green/Parliament/George Clinton)
"George Clinton abuses wireless. Our tours are notoriously hard on equipment. EV wireless's rugged and roadworthy and alway sounds great. It's made my job that much easier!"

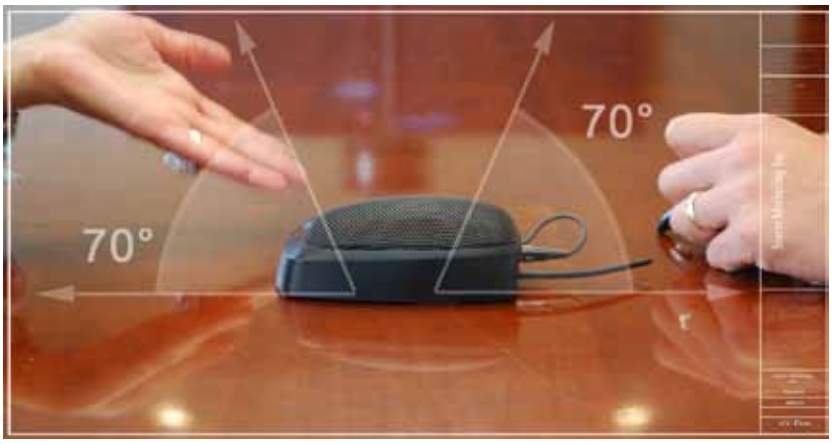
Blasko, bassist
(Ozzy Osbourne)
"My EV wireless captures that nuances of my bass tone like no other. It rocks! And I don't trust just any other wireless - I'm playing with the Prince of Darkness!"

Steve "Sonny" Taylor, FOH engineer
(Neal McCoy)
"Night after night I rely on the RE-1 to perform. Now, after hearing and using the REV, I have to say that I'm floored by how great it sounds. All the best of the RE-1 and then some. Right on, guys!"

Polar Choice Wireless Microphones



Omnidirectional



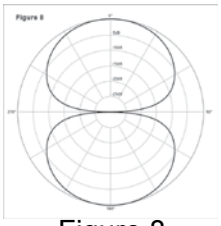
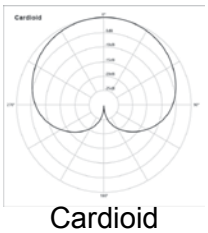
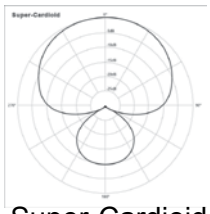


Figure 8



Cardioid



Super-Cardioid

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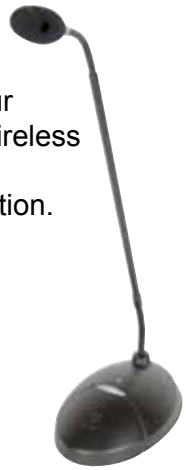
The PolarChoice Story…

With EV's innovative PolarChoice family, you electronically select the right pickup pattern for your project on the microphone itself. No buying, stocking and eventually losing a bunch of mic capsules with different pickup patterns. The PolarChoice Satellite lineup is all completely wireless and works with any EV or Telex wireless bodypack system.

The PolarChoice PC Satellite….



Is a challenging acoustical environment making intelligibility next to impossible in your boardroom installation? The PolarChoice PC Satellite microphone is a completely wireless podium microphone that gets the mic as close to the person talking as possible. In gooseneck lengths of 5, 12 and 18 inches, we have the lengths to cover any application.

- PC Satellite - 5
- PC Satellite -12
- PC Satellite -18

The PC Boundary Satellite…

The EV PC Boundary Satellite microphone is revolutionary in it's simplicity. Completely wireless it's difference lies in it's pickup patterns. Select the Figure 8 pickup pattern, and you're using one mic to pick up both sides of the table. Sounds like you've just improved your bottom line again!

- PC Boundary

Multi-Channel Systems

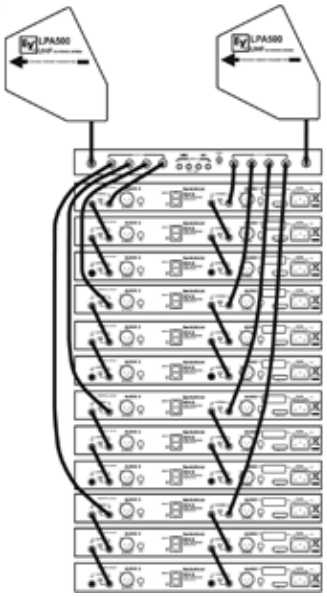
The EV and Telex wireless systems allow you to run from 1 to 44 (depends on model) transmitters simultaneously. Use the information below to help design a system using the APD4+. The APD4+ provides diversity antenna and power connections for up to four receivers. With the REV Dual Receiver, up to 44 channels of wireless mics can be run from just two antennas and one APD4+. All in just 23 Rack Spaces! All unused antenna outputs must be terminated with a TP-2 termination plug.

Front antenna hookup option

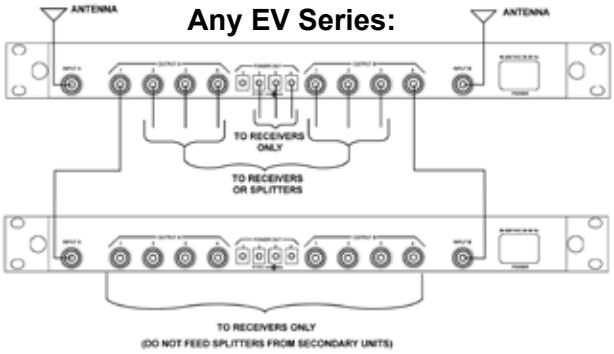
DC output for receiver power

Rear antenna hookup

RF signal distribution



Any EV Series:



Note, do not use panel mount antennas when rack mounting receivers or APD4.

Antenna Options

1/4-wave antennas are supplied with all EV systems. While they do provide adequate performance, some applications are best suited by these optional antennas.

LPA-500 Wideband Antenna (680-870 MHz). The LPA-500 offers the best performance and broadest bandwidth available. It comes with a variety of mounting hardware and 10 feet of low loss coaxial cable.

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FA-500 Wideband 1/2 wave Flexible passive Antenna (680-870 MHz). Use in applications from remote mounting on top of rack (AB-2) to front-panel use (non rack mount). Also use the UAA-500 to boost the signal.

CLA 1/2 wave narrow-band antenna series. Use in portable applications where no remote mount is needed, choose a specific frequency range for application.

Wireless Microphone Accessories

MAC-2
XLR to TA4F adapter cord
- **MAC-G2** George L™ Guitar Cable for REV
- **MAC-G3** George L™ Guitar Cable for RE2, RE2-Pro and FMR-500

RSB-2
Referee mic switch box (TA4F) (For WT-1000 and BPU2-PRO Only)
Note: bodypack transmitters must be modified for use with RSB switch box

RE97Tx
Micro-Headworn Condenser Microphone

PH23
Headworn unidirectional mic with TA4F

PH21
Headworn unidirectional mic with TA4F

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ELM-22S
Premium omnidirectional lapel mic with TA4F

ELM-33S
Premium unidirectional lapel mic with TA4F

RE92Tx
Unidirectional Condenser Lavalier
Microphone with TA4F Connector

RE90Tx
Omni Directional Lapel Microphone with a TA4F connector
for or RE-2 wireless systems

RE920Tx
High SPL Horn Microphone

RM-D
Rack-mount kit - double (for two receiver) works with FMR-500 receivers.

RM-S
Rack-mount kit - single (for two receiver) works with FMR-500 and receivers.

FMC-K
Front mount antenna cables (4)

APD4+ / UAD4
The one antenna divider used on all EV and Telex wireless systems. Powers 4 wireless systems and provides antenna distribution.

- APD4+ works w/ EV RE2/RE2PRO/REV
- UAD4 works w/ Telex FMR500

TP-2
50 ohm TNC termination plug

ANU-14
1/4-wave UHF antenna for use with FMR-500

CLA-X
1/2-wave UHF antenna (X denotes frequency band)

AB-2
Universal mounting bracket for 1/2-wave antennas, with 10-foot coax cable

LPA500 / ALP-450
Directional log periodic UHF antenna (450 - 900 MHz) with mounting hardware & 10-foot coax

- LPA500 works w/ EV RE2/RE2PRO/REV
- ALP-450 works w/ Telex FMR500

CXU-X
Low-loss coax cable (X designates length, 25, 50, 75 or 100) for use with remote mount antennas.

UCC1
USB to CAN bus interface for remote controlled amps

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SoundMate Assistive Listening Systems

Assistive Listening Systems

Telex SoundMate assistive listening systems are a necessary requirement for public spaces, and a welcome addition to Houses of Worship, theaters or any environment that requires public speaking. Available in portable versions for outdoor or mobile applications as well. All systems operate in the 72-76 MHI band.

Portable transmitter

Single and Multi-channel receivers available

All menu functions and channel switching done through the easy to read menus

ST-300 Transmitter

Front:
- 17 user selectable frequencies
- Headphone jack with adjustable level
- Panel controls and LCD display

Back:
- Balanced XLR-3F, unbalanced ¼" input

SR-50 Receiver

- Operates on one of the 17 fixed-band frequencies (must choose when ordering)
- Raised volume control knob
- Recessed headphone jack

SR-400 Receiver *

- 17 user selectable frequencies
- High frequency contour filter and boost switch
- Enhanced Dynamic Range (EDR) for better audio clarity in translation and other applications

PST-170 PortableTransmitter

- 17 user selectable frequencies
- Includes small lapel microphone
- 2 audio input jacks

SM-2 SYSTEM Includes: *

(1) ST-300 base transmitter
(4) SR-50 receivers
(4) SEB-1 earbuds
(1) SoundMate™ wall plaque
(SM case sold separately)

SMP-2 System includes: *

(1) PST-170 portable belt pack
(6) SR-50 single channel receivers
(6) HED-2 collapsible headphones
(14) AA Alkaline batteries
(1) Deluxe system carrying case
(1) HM-2 head worn microphone

* See EV portal for frequency selection information

Complete your system with EV

Starin has the products you need to complete your perfect system in one stop. With over 20 years experience with EV products, Starin is not only your source for the products, we are your source for the full 9-yards of making EV a successful and profitable line for your company. Get everything from EV wired microphones to EV speakers from Starin.

DC-One

Two-In-Six-Out Loudspeaker Processor

Based on a two-in, six-out topology, the DC-One is designed primarily for users of small-to-medium sized sound systems in both mobile and installed applications. While the unit is an all-new development based on a powerful SHARC processor, it is 100 percent compatible with all settings from other Electro-Voice signal processors, including the Dx38—the best choice for achieving maximum performance with an EV loudspeaker system.

ZX5

The Most Versatile Speaker in the World

The Electro-Voice® Zx5 is a 15-inch, two-way cabinet with the most elegant, high-impact, composite enclosure, featuring the newest generation of EV components: the all-new DXV3150 500-watt, 15-inch woofer and the all-new, two-inch neodymium ND2 compression driver. The Zx5 fits a variety of applications such as installations of individual speakers or clusters in entertainment, houses-of-worship, as well as on stage with bands, musicians, and PA rental companies.

Q66 II

Electro-Voice Q Series Amplifier

The Q66II is the versatile workhorse of the new Q series amplifiers delivers 2 x 600W @ 4Ohms / 2 x 900W @ 2Ohms and provides flexible drive capability for a huge variety of speaker systems, including Sx300, ZX4, SB122 etc. Switchable LPN (Low-Pass Notch) filter circuitry provides extra tonal fundament and kick, with protective Low-Cut for using smaller passive 12” or 15” cabinets without additional subwoofers.

EVID 6.2

EVID™ Series Twin Six-Inch Surface-Mount Speaker System

The EVID 6.2 is comprised of dual, six-inch, low-frequency drivers and a one-inch, Ti/waveguide. The flexible Strong-Arm-Mount™ (SAM™) system provides versatility to accommodate any installation challenge. EV’s unique, six-inch, dual woofer design delivers crisp and clean program for the best listening experience regardless of the location. This system is great for larger areas that demand higher SPL levels. The EVID 6.2 delivers the outstanding, full-bass output required for shopping malls, stadiums and airports.

http://electro-voice.starin.biz

Visit Starin's Electro-Voice on-line portal... it never closes.

Setting up access to Starin's exclusive portals is as easy as making a few clicks on your mouse. If you don't have a password for our site, you will be able to set up your own username and password. Starin's on-line portals give you up-to-date access to product, pricing, specials, data sheets and more.

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